

**Safety Data Sheet according to Regulation (EU) No. 1907/2006**

FROWEIN GmbH &amp; Co. KG

Revision date : 25.06.2007

Revision no. : 1,02

**CONTRAX-D CONCENTRATE**

00434-0063

**1. Identification of the substance/preparation and of the company/undertaking****Identification of the substance or preparation**

CONTRAX-D CONCENTRATE

**Use of the substance/preparation**

Pesticide

**Company/undertaking identification**

FROWEIN GmbH &amp; Co. KG

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Contact person

Inquiry office

Responsible for the safety data sheet: sds@gbk-ingelheim.de

**2. Hazards identification****Classification**

Indications of danger : Dangerous for the environment

R-phrases :

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**3. Composition/information on ingredients****Chemical characterization** ( preparation )

Liquid concentrate

**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
	104653-34-1	Difethialon	< 0,1 %	T+, N R26/27/28-48/23/24/25-50-53

Full text of each relevant R phrase can be found in heading 16.

**4. First aid measures****General information**

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off immediately with soap and plenty of water.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

**After ingestion**

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

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#### Advice to doctor

Administer Vitamin K1 as antidote.

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## **5. Fire-fighting measures**

#### Suitable extinguishing media

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

#### Extinguishing media which must not be used for safety reasons

Full water jet

#### Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

#### Additional information

Cool containers at risk with water spray jet.

Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.

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## **6. Accidental release measures**

#### Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Avoid contact with skin, eyes and clothing.

#### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

#### Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Take up mechanically and collect in suitable container for disposal.

#### Additional information

Clean contaminated surface thoroughly.

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## **7. Handling and storage**

### **Handling**

#### Advice on safe handling

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

#### Advice on protection against fire and explosion

No special protective measures against fire required.

### **Storage**

#### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

#### Advice on storage compatibility

Incompatible with oxidizing agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

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**Storageclass (VCI)**

10

**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL
	Propane-1,2-diol, particulates	-	-		STEL (15 min)	WEL

**Exposure controls****Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Avoid contact with skin, eyes and clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required.

**Hand protection**

Solvent-resistant gloves (nitrile rubber).

**Eye protection**

Tightly fitting goggles

**Skin protection**

Long sleeved clothing.

**9. Physical and chemical properties****General information**

Physical state Liquid

Colour Red

Odour Soft

**Important health, safety and environmental information**

Test method

**Changes in the physical state**

Flash point 103 °C

**Flammability**

Lower explosion limits n. d.

Upper explosion limits

Ignition temperature n. d.

Density (at 20 °C) : 1,04 g/cm<sup>3</sup>Water solubility : Miscible  
at (20 °C)**10. Stability and reactivity**

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**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**Materials to avoid**

Oxidizing agents.

**Hazardous decomposition products**

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

**Additional information**

No decomposition if stored and applied as directed.

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**11. Toxicological information**

**Empirical data on effects on humans**

Product reduces blood coagulability and causes internal bleeding.

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

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**12. Ecological information**

**Ecotoxicity**

LC50/Oncorhynchus mykiss/96h = 0,051 mg/l (\*)

EC50/Daphnia magna/48h = 0,0044 mg/l (\*)

(\*) Difethialon

**Further information**

Do not flush into surface water or sanitary sewer system.

Highly water contaminating.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**13. Disposal considerations**

**Advice on disposal**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

**Waste disposal number of waste from residues/unused products**

200119 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); pesticides  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances  
Classified as hazardous waste.

**Contaminated packaging**

Re-using the polluted packaging materials is not allowed.

Contaminated packagings are to be treated like the product itself.

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**14. Transport information**

**Land transport (ADR/RID)**

ADR/RID class

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Classification code :	M6
Hazard-no.	90
UN number	3082
Hazard label	9
ADR/RID packing group	III
Limited quantity :	LQ 7

**Description of the goods**

Environmentally hazardous substance, liquid, n.o.s. (Difethialon)

**Other applicable information (land transport)**

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Inland waterways transport****Marine transport**

IMDG code	9
UN number	3082
Marine pollutant	No
EmS	F-A; S-F
Limited quantity :	5 L / 30 kg
IMDG packing group	III
Hazard label	9

**Description of the goods**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (difethialon)

**Other applicable information (marine transport)**

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Air transport**

ICAO/IATA-DGR	9
UN/ID number	3082
Hazard label	9
IATA-packing instructions - Passenger	914
IATA-max. quantity - Passenger	450 L
IATA-packing instructions - Cargo	914
IATA-max. quantity - Cargo	450 L
ICAO packing group	III
Limited quantity Passenger	Y914 / 30 kg

**Description of the goods**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (difethialon)

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**15. Regulatory information****Labelling**

According to EC-regulations the product is to be labelled as follows:

**Indication of danger**

N - Dangerous for the environment

**Hazardous component(s) to be indicated on label**

Difethialon

**R phrases**

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**S phrases**

- 02 Keep out of the reach of children.  
13 Keep away from food, drink and animal feedingstuffs.  
20/21 When using do not eat, drink or smoke.  
36/37 Wear suitable protective clothing and gloves.  
46 If swallowed, seek medical advice immediately and show this container or label.  
60 This material and its container must be disposed of as hazardous waste.  
61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

**National regulatory information**

Employment restrictions	Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D)	3 - highly water contaminating
1999/13/EC (VOC)	0 %

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**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

- 26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.  
48/23/24/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.  
50 Very toxic to aquatic organisms.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
53 May cause long-term adverse effects in the aquatic environment.

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*